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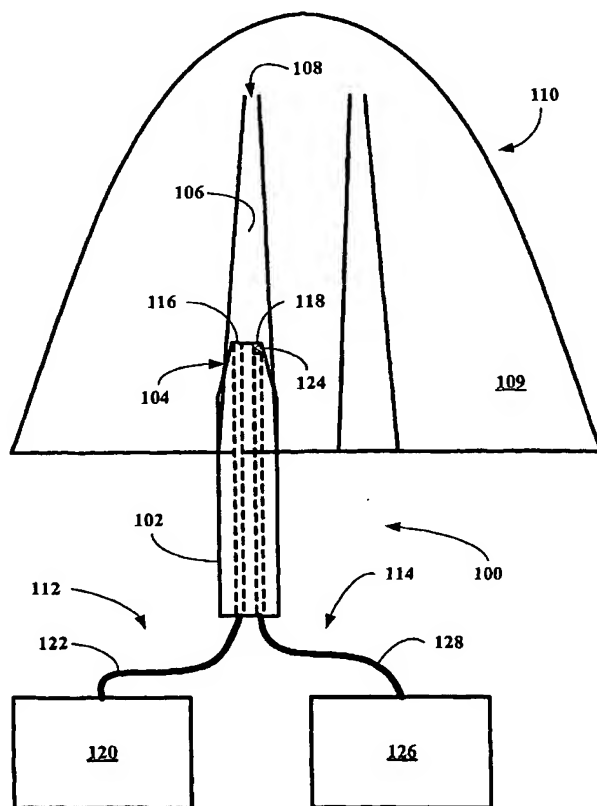
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[Continued on next page]

(54) Title: **NONINVASIVE BLOOD ANALYSIS BY OPTICAL PROBING OF THE VEINS UNDER THE TONGUE**



(57) Abstract: A method for analysis of blood components or parameters is disclosed where a probe (102) having an excitation outlet (116) and a response inlet (118) is placed in proximity to or in contact with a tissue of an underside of a patient's tongue over a big vein (108) in the tongue so that an excitation signal exits the outlet, produces a response which enters the inlet for detection and analysis.



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| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 600/322, 323, 310, 340, 344 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | US 4,890,619 A (HATSCHEK) 02 January 1990 (02.01.1990), Figure 4; column 6, line 25 - column 8, line 24. | 1-7, 17, 18, 20-22, 25-30, 33, 40, 41, 43, 44 |
| Y | | 10-14, 32, 34-37 |
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